

March 1, 2018

Damon Ballesteros
Tucson Unified School District
1010 E. Tenth Street
Tucson, Arizona 85719

**RE: Mansfeld Middle School – Mountain Avenue Improvements
Civil Engineering Services Proposal**

Damon,

Thank you for the opportunity to submit this proposal to TUSD to provide civil engineering services for the improvements to Mountain Avenue adjacent to Mansfeld Middle School in Tucson, Arizona. Dibble Engineering will provide the civil engineering design services associated with this project.

PROJECT UNDERSTANDING:

Tucson Unified School District (TUSD) is proposing to abandon the half block segment of Mountain Avenue from 6th Street south to the mid-block alley. TUSD will then turn this segment into a private one-way street and connect it to their existing parking lot by means of a new driveway. A new median barrier will restrict access from the south. A new median pork-chop island will restrict access from 6th Street and allow for a right-out only. A new access ramp on the western side of the intersection may be required to maintain pedestrian access. These improvements will help improve circulation and safety during the hours of operation. The project is within the City of Tucson. TUSD will be responsible for all permitting and coordination with the city.

TUSD will coordinate and provide survey data for the project area. Dibble will use this data for its basis of design. TUSD has requested a pavement section of 2" AC on 4" AB for reconstruction of Mountain Avenue. It is assumed this pavement section is sufficient for the project needs and that if additional design or testing is required these can be provided for an additional fee.

Existing drainage patterns are to the south along Mountain Avenue. The proposed reconstruction of the road will be consistent with the existing conditions. No re-grading or profile modifications are included within this scope of work. No profile will be included for the Mountain Avenue reconstruction.

Potholing is not included within this scope of work.
No project meetings are included this scope of work.

CONDITIONS:

- TUSD will provide electronic files (AutoCAD) of the site survey which will be the basis for design
- Recommended pavement section provided by TUSD
- Submittals will be made via pdf documents and printing if required will be reimbursed at cost to Dibble
- Submittal and review fees will be paid by the Owner (if required)

DESIGN STANDARDS/PERMITTING AGENCY

- Site improvements will conform to TUSD/City of Tucson/Pima County/PAG design standards
- No permitting or coordination outside of that with the TUSD staff will be required

SCOPE OF SERVICES:

1.0 Concept Design & Basemapping

- Site visit with TUSD staff
- Research existing utilities within project area (submit bluestake for design)
- Prepare design concept exhibit
- Coordination with TUSD staff

2.0 Construction Documents

- Prepare cover & notes sheet
- Prepare site demolition plan
- Prepare civil site plan
- Prepare site details
- Coordinate final design with TUSD staff
- Address comments as necessary

DELIVERABLES:

- All deliverables will be submitted via pdf documents
- Printing (if required) will be done by others or reimbursed to Dibble Engineering at cost

EXCLUSIONS:

- ALTA, boundary or topographic survey
- Permitting
- Roadway abandonment coordination
- Utility coordination
- Legal descriptions and exhibits
- Zoning changes or variances
- Geotechnical investigation and pavement design
- Environmental investigations
- Sub-surface exploration/Utility potholes
- Off-site hydrology/hydraulics study
- Traffic statement, study or report
- Landscaping and irrigation design
- Structural design including walls
- Construction staking
- Construction inspection
- Construction Services
- Record/As-built drawing preparation/review
- Cost of permits or fees
- Project meetings. If required, Dibble Engineering will attend additional meetings on a time & material basis

SCHEDULE:

- Dibble Engineering is prepared to begin immediately and will conform to the project schedule as stipulated by the Owner

FEES:

1.0 Concept Design and Basemapping	\$2,125
2.0 Construction Documents	<u>\$2,725</u>
Lump Sum Total Design Fee	\$4,850

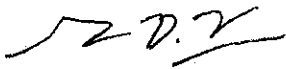
ADDITIONAL SERVICES:

If the Consultant/Engineer is required to perform services in addition to those outlined in the Scope of Work, by reason of substantial changes ordered by the Owner or Architect or for any reason beyond the Consultant's/Engineer's control, they are to receive compensation for such services. Compensation for additional services not included in the Scope of Work for the basic services shall be based on time expended. Additional services must be approved by the Owner prior to the start of such work.

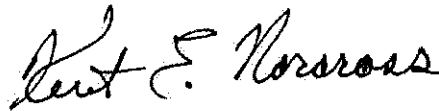
Invoices will be submitted monthly based on the percentage of the survey and civil engineering services that are complete. These invoices will be due and payable upon receipt and will be considered past due if not paid within thirty days.

If you have any questions, please feel free to call us at (520) 495-4065.

Sincerely,
Dibble Engineering



Greg Vega, PE
Project Manager



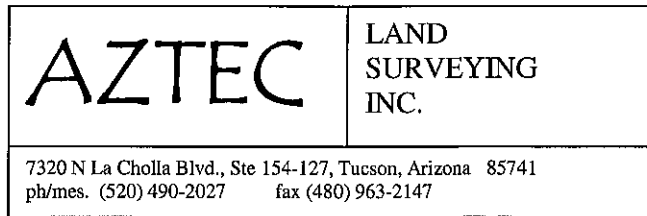
Kent E. Norcross, PE
Vice President, Land Development

If this proposal including the attached back-up documents is acceptable, please so indicate by signing and dating below. The return of this signed document shall serve as our notice to proceed with this project.

Name (Print), Title

Signature
TUSD Authorization

Date



March 07, 2018

Tucson Unified School District
 1010 E. 10th St., Room 96
 Tucson, AZ 85719
 Attn: Damon Ballesteros, PE , Project Manager

Re: Land Survey services related to Mountain Avenue for TUSD

Dear Gentleman,

Thank you for considering AZTEC Land Surveying for your proposal. The following is a list of activities and associated costs for construction staking of your project.

1. Initial search for and verification of land corners and site benchmark(s) defined on construction plans. Setup of ongoing control stations.	Estimated costs	\$250.00
2. Legal description of roadway (Mountain Avenue)	Estimated costs	\$600.00
3. Elevation shots - Curb, Center line, Back of SW and 30'x30' area for New Drive	Estimated costs	\$600.00
4. Produce base drawing of elevation shot area to be delivered to district for distribution to civil vendor.	Estimated costs	\$200.00
Anticipated costs totals		<u>\$1,650.00</u>

*costs shown are in anticipation of 1 mobilizations to project site. We anticipate combining project tasks listed.

Should there be any other services needed (AS-Built drawings, Certifications, construction staking, legal descriptions, elevation certifications, etc.), we will negotiate a time and materials agreement to effectively perform the additional work.

AZTEC Land Surveying will start this project within 3 working days of a sign agreement and a written notice to proceed. Should an earlier start date be required, we will make every effort to meet client's deadline upon written notice to proceed. Requests for staking will be started within 48 hours of request for work.

We hope that this proposal meets your client's needs and budget. Should you or your client have

any questions, please feel free to call me at 520-490-2027.

Thank you and good luck with your project.

Respectfully,

David A. Rhine, RLS
AZTEC Land Surveying, Inc.

Options / Notes:

PROPOSAL BY : David A. Rhine, RLS ACCEPTED BY:
Date: March 07, 2018 Date:

AZTEC
Land Surveying, Inc.

Professional Services Cost Schedule

January 02, 2014

Owner/President, Consulting	\$ 95.00/hr
Registered Land Surveyor, Consulting	\$135.00/hr
Registered Land Surveyor, Review/Reports	\$165.00/hr
Survey Technician,	\$ 85.00/hr
Survey Drafting,	\$ 70.00/hr
Research Technician,	\$ 65.00/hr
General Drafting,	\$ 55.00/hr
Crew mobilization	\$ 85.00/hr
Conventional Field Crew	\$195.00/hr
GPS RTK Field Crew (1 RTK System)	\$150.00/hr
GPS Static Field Crew (3 Static Receivers)	\$270.00/hr
Clerical	\$ 30.00/hr

Costs shown above are provided on an 'as needed' basis.

Cost proposals may be provided should client provide an outline of end product or scope of services to be performed.

Daily cost schedule
*up to an 10 hour day

Conventional Field Crew	\$1,250.00/day
GPS RTK Field Crew (1 RTK System)	\$1,450.00/day
GPS Static Field Crew (3 Static Receivers)	\$2,470.00/day